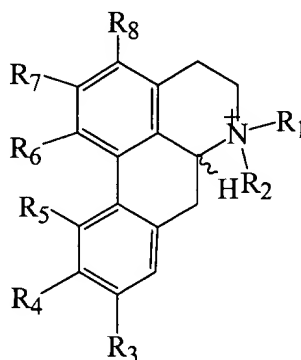


In the Claims

Claims 1-12 (canceled)

13. (currently amended) A method for the isolation and purification of an aporphine alkaloid or mixtures thereof from a plant; wherein said aporphine alkaloid is selected from the group of compounds having the following structure:



wherein R₁ and R₂ are independently selected from the group consisting of H, alkyl, substituted alkyl, cycloalkyl, substituted cycloalkyl, alkenyl or substituted alkenyl; R₃, R₄, R₅, R₆, R₇ and R₈ are independently selected from the group consisting of H, hydroxy, thiol, methoxy, methyl sulfide, methylenedioxy, alkoxy, alkyl sulfide; and the pharmaceutically acceptable acid addition salts, selected from the group consisting of chloride, iodide, fluoride, sulfate, phosphate, acetate or carbonate and a pharmaceutically acceptable carrier thereof; said method consisting of:

(a) performing a single exhaustive extraction of a ground biomass of a plant containing aporphine alkaloids with a single hydroxylated polar solvent or mixture of hydroxylated polar solvents system, wherein said polar solvent or mixture thereof system is optionally acidified;

(b) optional neutralization of said acidified solvent and concentration of the neutralized extract; and

(c) purification of said extract by a column chromatographic method, wherein said column chromatographic method is selected from the group consisting of ion exchange

chromatography, reverse phase chromatography, size exclusion chromatography, ultra-filtration or a combination of two or more of these methods.

14. (canceled)

15. (original) The method of claim 13 wherein the plant is selected from the group consisting Araceae, Aristolochiaceae, Berberidaceae, Caprifoliaceae, Euphorbiaceae, Fumariaceae, Helleboraceae, Lauraceae, Magnoliaceae, Menispermaceae, Mrliaceae, Papaveraceae, Ranunculaceae, Rhamnaceae and Rutaceae.

16. (previously presented) The method of claim 13 wherein the plant is selected from the group consisting of: *Zanthoxylum*, *Tinospora*, *Mahonia*, *Phellodendron*, *Aristolochia*, *Magnolia*, *Thalictrum*, *Coptis*, *Epimedium*, *Ranunculus*, *Sinomenium*, *Nandina*, *Manodora*, *Berberis*, *Fumaria*, *Pachygone*, *Dioscoreophyllum*, *Glaucium*, *Clematis*, *Aconitum* or *Cocculus*, *Xanthoxylum*, *Toddalia*, *Papaver*, *Hypecoum*, *Hylomecon*, *Prantl*, *Argemone*, *Eschscholtzia*, *Dicentra*, *Fagara*, *Symphoricarpos*, *Bocconia*, and *Xylocarpus*.

Claims 17-18 (canceled)

19. (previously presented) The method of claim 13 wherein the biomass is extracted in a column extractor.

Claims 20-22 (canceled)

23. (previously presented) The method of claim 13 wherein said aporphine alkaloid is selected from Magnoflorine or Laurifoline.

Claims 24-25 (canceled)

26. (previously presented) The method in claim 13 wherein the extract is neutralized to a pH between 4.5 - 7.0.

27. (new) The method of claim 13 wherein said solvent is selected from the group consisting of water, acidified water, a water miscible hydroxylated organic solvent, an aqueous solution of a water miscible hydroxylated organic solvent or an acidified water miscible hydroxylated organic solvent.

28. (new) The method of claim 27 wherein said water miscible hydroxylated organic solvent is selected from the group consisting of methanol, ethanol or butanol.

29. (new) The method of claim 27 wherein said solvent is 1% HCl in methanol.